

ABSTRACT

*Sub B6*

5 molecular The present invention relates to a ultra high weight polyethylene molded article for artificial joints having molecular orientation of crystal orientation and to a method for preparing the same, wherein the polyethylene molded article having a low friction and excellent abrasion resistance is obtained by irradiating a low dose of a radioactive ray to the ultra 10 high molecular weight polyethylene to introduce a small amount of crosslinking points within molecular chains, giving compression-deformation after melting at a high temperature around the melting point thereof, and cooling and solidifying.